

Repairer Preventive Maintenance Checks and Services

4110-01-117-3902 Refrigerator, Mechanical, Blood Bank

[M-Monthly, Q-Quarterly, S-Semiannually, and A-Annually]

ITEM NO	INTERVAL	ITEM TO BE INSPECTED AND PROCEDURE	IS NOT MISSION CAPABLE IF:
1	S	Refrigerator a. Conduct an inventory to ensure that the items listed on the Equipment Parts and Accessories List are on hand. b. Check for broken, worn or damaged switches, indicators, and displays on the control panel. c. Check the electrical power cord for cuts, fraying, or deterioration. d. Ensure the proper power source by checking the jumper placement on the transformer. e. Perform a complete operational checkout of the refrigerator. f. Verify temperature controls as directed by the instructions for "Setting Cutler Hammer Control" in the maintenance manual. Ensure that the compressor turns on at 40° F (4° C) and off at 36° F (2° C) when the temperature control knob is set at the number 6 position.	Missing items preclude operation of the unit. Damage prevents refrigerator from operating or maintaining 36° - 40° F (2° - 4° C). The power cord is cracked or frayed, wires are not covered by the cord insulation, or damage prevents the refrigerator from operating or maintaining 36° - 40° F (2° - 4° C). Refrigerator does not operate or maintain 36° - 40° F (2° - 4° C).
2	S	Doors a. Verify that the doors close and seal properly. Inspect door gasket for accumulation of dirt, wear, or deterioration. b. Inspect the door hinges for loose or missing hardware.	Defective door gasket prevents refrigerator from operating or maintaining 36° - 40° F (2° - 4° C). Loose or missing hardware prevents refrigerator from operating or maintaining 36° - 40° F (2° - 4° C).
3	S	Drawers Ensure that the drawers are unobstructed and move freely.	Obstructed or damaged drawers prevent refrigerator doors from sealing.
4	S	Condensing Unit Inspect the fan's condensing unit for damage, dust, lint or other foreign substances. Inspect condenser drip pan for a buildup of grease or other deposits.	

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5	S	Fan Inspect fan and fan guard for damage, wear, and an accumulation of dust or grease.	The fan does not operate.
6	A	Maintaining Refrigerator a. Verify that the refrigerator has been maintained according to the Operator Preventive Maintenance Checks and Services. b. Ensure the "General Maintenance Instructions" are conducted as directed by the manufacturer's literature. c. Verify electrical safety.	The refrigerator fails any of the electrical safety tests.
7	A	Temperature Recorder a. Ensure the temperature recorder is functioning as stated by the manufacturer's maintenance manual. b. If needed, calibrate as directed by the manufacturer's maintenance manual.	
8	A	Temperature Surveillance Module a. Ensure the module is installed as directed by the manufacturer's maintenance manual. b. Ensure that the five basic functions, listed below, are operating as directed by the manufacturer's maintenance manual. (1) Constant, 24 hour, surveillance of temperature within the refrigerator cabinet. (2) Constant display of solution (or product) temperature with provision for user to select and momentarily display temperature in another location within the refrigerator. (3) Constant monitoring of the presence of primary power to the refrigerator. (4) A "door ajar" status indicator. (5) Low battery indication. c. If needed, calibrate the T100-1 module as directed by the manufacturer's maintenance manual.	Any of the five functions are inoperative.